



OPM 561 Production Management: Lean Approaches and Variability

Course Announcement

Prof. Dr. Raik Stolletz

Chair of Production Management - Prof. Dr. Raik Stolletz

General information

Welcome to OPM 561!

- This slide set covers information about the organizational issues of the course
- Everything is planned to be online
- Your presence in Mannheim is not required
- All course materials and announcements will be provided via [Ilias](#)

Sessions

- **Lecture**

- Online lectures with pre-recorded videos
- Test yourself questions
- Live Q&A-Sessions
 - Wednesdays, 10:15 - 11:45 (starting from 15.09.2021)
 - Room: [BWL-ZOOM-20](#)

- **Exercise**

- Live online exercises
- Solutions will be provided
 - Mondays, 13:45 - 15:15 (starting from 20.09.2021)
 - Room: [BWL-ZOOM-20](#)

Course Objectives

- Have an overview of requirements, objectives and key concepts in lean production management
- Develop skills for quantitative planning and business analytics in the field of production and operations management
- Understand sources and effects of variability in operations



OPM 561 - Preliminary Structure

I Introduction

- Variability in Operations Management

II Capacity planning in Operations Management

- Introduction to stochastic variability
- Design of flow production & transfer lines

III Lean Management

- Principles of lean management and implementation of lean systems
- Total Quality Management

IV Scheduling Applications

- Job shop scheduling
- Lot sizing

V Industry 4.0

General Introduction to the Chair

- General introduction to the chair of Production Management
 - Wednesday, 08.09.2021, 10:15 - 11:45 (B2)
 - Online via Zoom
 - Room: [BWL-ZOOM-20](#)

See you in the course!

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